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BACKGROUND OF THE INVENTION

The present invention relates to an automatic measuring device for measuring the dimensions of a tool for a machine tool.

Resulting from the availability of a magazine including all of the tools necessary for the machining of a workpiece, fully automated machine tools can be used to carry out the machining of a workpiece, such as, for example, a kitchen or bathroom worktop. However, in order to automatically sequence all of the machining operations, the machine tool must first measure and store the exact dimensions of all of the tools stored in its magazine.

Devices are known for allowing such automatic measurement of the dimensions of each tool which is to be fitted on the machine spindle of the machine tool. To this end, the machine spindle, fitted with a tool, is caused to interact with a device arranged on the machine tool in order to deduce, depending on a measurement system specific to the spindle, the dimensions of the tool.

For example, one such device includes two separate feelers, one of which is axially oriented and one of which is radially oriented. The machine tool, with the tool to be measured in its spindle, first rests the bottom face of the tool on the axial feeler, to measure its length, and then rests the outer face on the radial feeler, to measure its diameter. Such